

Ride Quality:

This is a relatively new measure of condition using IRI, pavement type & speed. This uses a variable IRI scale for Very Good, Good, Fair, Poor, & Very Poor. The variable scales reflect consideration of driver expectations for acceptable levels of surface roughness. Lower speed roads have a higher range of IRI for the same condition level as a higher speed road. Concrete roads have a higher range of IRI for the same condition level as Asphalt roads. The Index is calculated on a linear scale. The Ride Quality Index is used in the UDOT Pavement Condition Model.

IRI Ranges for Ride Quality & Ride Quality Index

Ride Quality Ride Quality Index	Very Good 100 to 90	Good 90 to 70	Fair 70 to 50	Poor 50 to 30	Very Poor 30 to 0
Interstate Asphalt	30 to 50	50 to 90	90 to 130	130 to 170	170 to 230
High Speed Asphalt	33.75 to 55	55 to 97.5	97.5 to 140	140 to 182.5	182.5 to 247.5
Mid Speed Asphalt	37.5 to 60	60 to 105	105 to 150	150 to 195	195 to 262.5
Low Speed Asphalt	41.25 to 65	65 to 112.5	112.5 to 160	160 to 207.5	207.5 to 278.75
Interstate Concrete	65 to 80	80 to 110	110 to 140	140 to 170	170 to 215
High Speed Concrete	68.75 to 85	85 to 117.5	117.5 to 150	150 to 182.5	182.5 to 221.25
Mid Speed Concrete	72.5 to 90	90 to 125	125 to 160	160 to 195	195 to 246.75
Low Speed Concrete	76.5 to 95	95 to 132.5	132.5 to 170	170 to 207.5	207.5 to 263.75

High Speed road are posted 55 mph and over

Mid Speed are roads posted 40 mph to 50 mph

Low Speed roads are posted below 40 mph